

What is claimed is:

1. In a check valve assembly in association with the ventilation system for the passenger space of a motor vehicle, said assembly comprising an outer housing to which an inner frame is connected with a check valve element formed of flexible sheet material clamped between the outer housing and the inner frame, the improvement wherein the inner frame (4) is received into an open end of the outer housing (3) and the assembled unit comprising the inner frame (4), the outer housing (3), and the check valve element (3) is joined to a support (2) of the motor vehicle through a resilient clip connection (6) carried on the outer housing (3); and,

wherein the inner frame (4) has a surrounding rim (7) carrying rib members (8) spaced transversely with stays (9) extending therefrom and a surrounding frame (10) joining the stays (9).

2. The assembly as defined in claim 1 wherein an oblique grid (11) is arranged on the outer housing (3) and end surfaces (12) of the surrounding frame (10) and a closing zone (13) of the oblique grid (11) form the clamp for the check valve element.

3. The assembly as defined in claim 2 wherein the end surfaces (12) carry pins (16) spaced from one another and penetrating through a rim zone (16) of the check valve element into lodged position in openings (17) formed in the oblique grid (11).

4. The assembly as defined in claim 1 wherein the outer housing (3) has a surrounding rim (14) with a clamping connection means (18) for fastening to the surrounding rim (7) of the inner frame (4).

5. The assembly as defined in claim 2 wherein the outer housing (3) has a surrounding rim (14) and a surrounding wall (21) on the end of which is formed the oblique grid (11).

6. The assembly as defined in claim 5 wherein the surrounding wall (21) has an upper side provided with at least one springy tongue (22, 22') directed toward the support (2) and functioning as the clip connection (6).

7. The assembly as defined in claim 6 wherein the at least one springy tongue (22) is carried by the surrounding wall (21).

8. The assembly as defined in claim 7 wherein the surrounding rim (14) of the outer housing (3) has a surrounding groove (24) directed toward the at least one springy tongue (22), said groove (24) carrying a sealing ring (25).

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9. The assembly as defined in claim 1 wherein the clip connection (6) comprises a springy tongue (22') formed separate from the outer housing (3).

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10. The assembly as defined in claim 9 wherein the springy tongue (22') is carried on a locking element (30) which is connected with the outer housing (3).

11. In a check valve assembly in association with the ventilation system for the passenger space of a motor vehicle, said assembly comprising an outer housing to which an inner frame is connected with a check valve element formed of flexible sheet material clamped between the outer housing and the inner frame, the improvement wherein the inner frame (4) is received into an open end of the outer housing (3) and the assembled unit comprising the inner frame (4), the outer housing (3), and the check valve (3) is joined to a support (2) of the motor vehicle

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10 through a resilient clip connection (6) carried on the outer housing (3); and,

wherein the clip connection (6) comprises a springy tongue (22') formed separate from the outer housing (3), said springy tongue (22') being arranged on a locking element (30) which can be connected with the outer housing (3), and said locking element (30) being guided over a dovetail guide (31) on the outer surface of the outer housing (3).

12. The assembly as defined in claim 11 wherein the springy tongue (22') has a gripping edge (33) which engages a stop surface (32) on the outer housing (3).

13. The assembly as defined in claim 12 wherein the springy tongue (22') is centrally located on the locking element (30).

14. A check valve assembly adaptable for use with a ventilation system for a passenger space of a motor vehicle, the assembly comprising:

an outer housing having an open end and a surrounding wall;

an inner frame received in the open end;

a check valve element formed of flexible sheet material clamped between the outer housing and the inner frame; and,

first and second resilient clip connections joining the outer housing, the inner frame, and the check valve element to a support of the motor vehicle,

the first clip connection comprising a first springy tongue spaced from the surrounding wall, and

the second clip connection comprising a second springy tongue integral with the surrounding wall.

15. The assembly of claim 14 wherein the check valve element has a first side exposed to the passenger space and a

second side exposed to the atmosphere, the first springy tongue being disposed in corresponding relation to the first side and the second springy tongue being disposed in corresponding relation to the second side.

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26. A check valve assembly adaptable for use with a ventilation system of a passenger space of a motor vehicle, the assembly comprising:

an outer housing having an open end;

an inner frame received in the open end;

a check valve element formed of flexible sheet material clamped between the outer housing and the inner frame; and,

a resilient clip connection formed separate from the outer housing and carried on a locking element which is connected with the outer housing, the clip connection securing the outer housing to the locking element and joining the inner frame, the outer housing, and the check valve element to the motor vehicle,

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Board
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